



FDUM140VSAWPVH

13.6 (5.0 ~ 14.5)

Indoor Unit : FDUM71VH x 2

Outdoor Unit : FDC140VSA-W

Specifications

R32

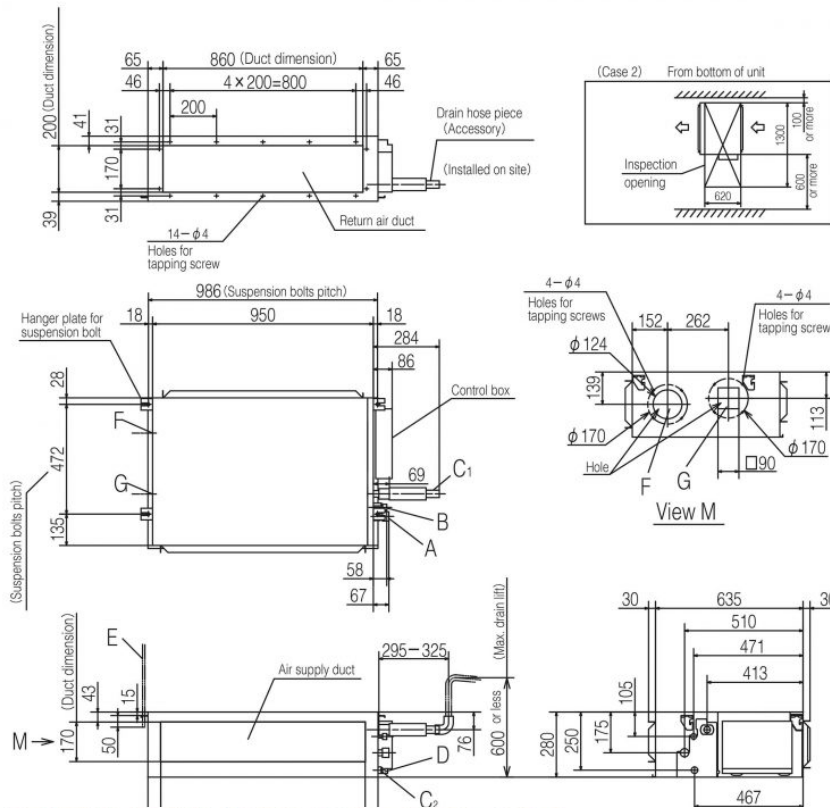
Indoor unit		FDUM71VH x 2	
Outdoor unit		FDC140VSA-W	
Power source		3 Phase 380-415V, 50Hz / 380V, 60Hz	
Nominal cooling capacity (Min-Max)		kW	13.6 (5.0 ~ 14.5)
Nominal heating capacity (Min-Max)		kW	15.5 (4.0 ~ 16.5)
Power Consumption		Cooling/Heating	kW 5.02 / 4.20
EER/COP		Cooling/Heating	kW 2.71 / 3.69
Inrush current		A	5
Max. current		A	18
Sound power level* ¹	Indoor* ³	Cooling/Heating	dB(A) 65 / 65
	Outdoor	Sound power level	dB(A) 72 / 73
Sound pressure level* ¹	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	dB(A) 38 / 33 / 29 / 25
	Indoor	Heating (P-Hi/Hi/Me/Lo)	dB(A) 38 / 33 / 29 / 25
	Outdoor	Cooling/Heating	dB(A) 56 / 58
Air flow	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	m ³ /min 24 / 19 / 15 / 10
	Indoor	Heating (P-Hi/Hi/Me/Lo)	m ³ /min 24 / 19 / 15 / 10
	Outdoor	Cooling/Heating	m ³ /min 75 / 73
External static pressure* ²		Pa	Standard:35 Max:100
Exterior dimensions	Indoor	HeightxWidthxDepth	mm 280 x 950 x 635
	Outdoor		mm 845 x 970 x 370
Net weight		Indoor/Outdoor	kg 34 / 78
Refrigerant Type GWP		R32/675	
Ref.piping size	Liquid/Gas	ømm	9.52(3/8") / 15.88(5/8")
Refrigerant line (one way) length		m	Max.50
Vertical height differences		Outdoor is higher/lower	m Max.50 / Max.15
Outdoor operating temperature range	Cooling* ²		°C -15~50
	Heating		°C -20~20
Air filter, Q'ty		(Option) Filter kit : UM-FL2EF	
Remote control (option)		wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-KIT4-E2	

The data is measured under the following conditions (ISO-T1, -H1).

Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

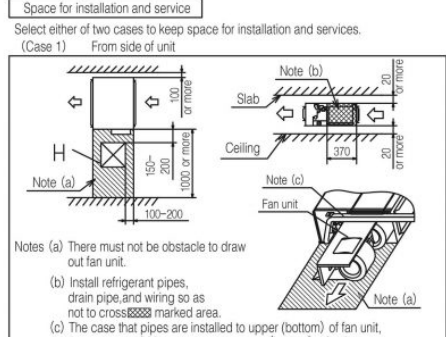
- : Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions
- : If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind, if wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down

Schematics



Symbol	Model	Content
	60	71
A	Gas piping	φ12.7 (1/2") (Flare) φ15.88 (5/8") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare) φ9.52 (3/8") (Flare)
C1	Drain piping	VP25 (O.D.32)
C2	Drain piping (Gravity drainage)	VP20
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Outside air opening for ducting	(φ150) (Knock out)
G	Air outlet opening for ducting	(φ125) (Knock out)
H	Inspection opening	(450×450)

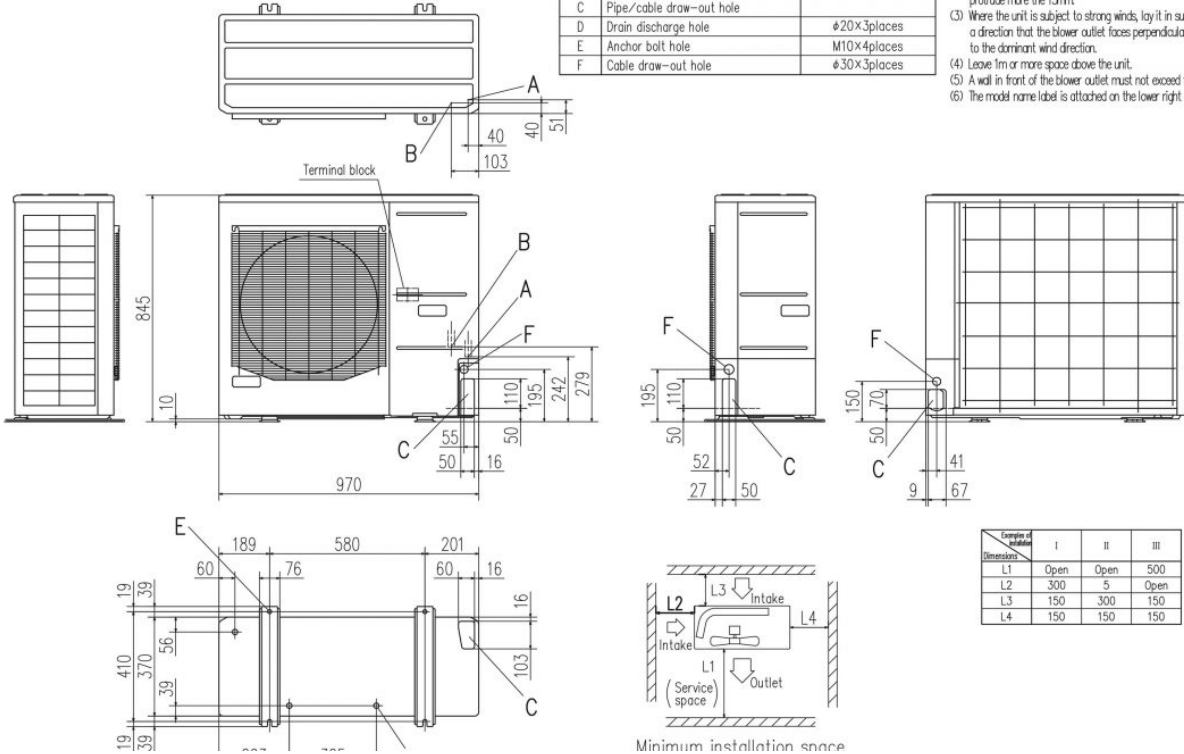
Note (1) The model name label is attached on the lid of the control box.



FDUM140VSAWPVH

Symbol	Content
A	Service valve connection (gas side) φ15.88 (5/8") (Flare)
B	Service valve connection (liquid side) φ9.52 (3/8") (Flare)
C	Pipe/cable draw-out hole
D	Drain discharge hole φ20×3places
E	Anchor bolt hole M10×4places
F	Cable draw-out hole φ30×3places

- Notes
- (1) It must not be surrounded by walls on the four sides.
 - (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
 - (3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
 - (4) Leave 1m or more space above the unit.
 - (5) A wall in front of the blower outlet must not exceed the units height.
 - (6) The model name label is attached on the lower right corner of the front panel.



Example of installation	I	II	III
L1	Open	Open	500
L2	300	5	Open
L3	150	300	150
L4	150	150	150

Because of our policy of continuous improvement, we reserve the right to make changes in all specifications without notice.